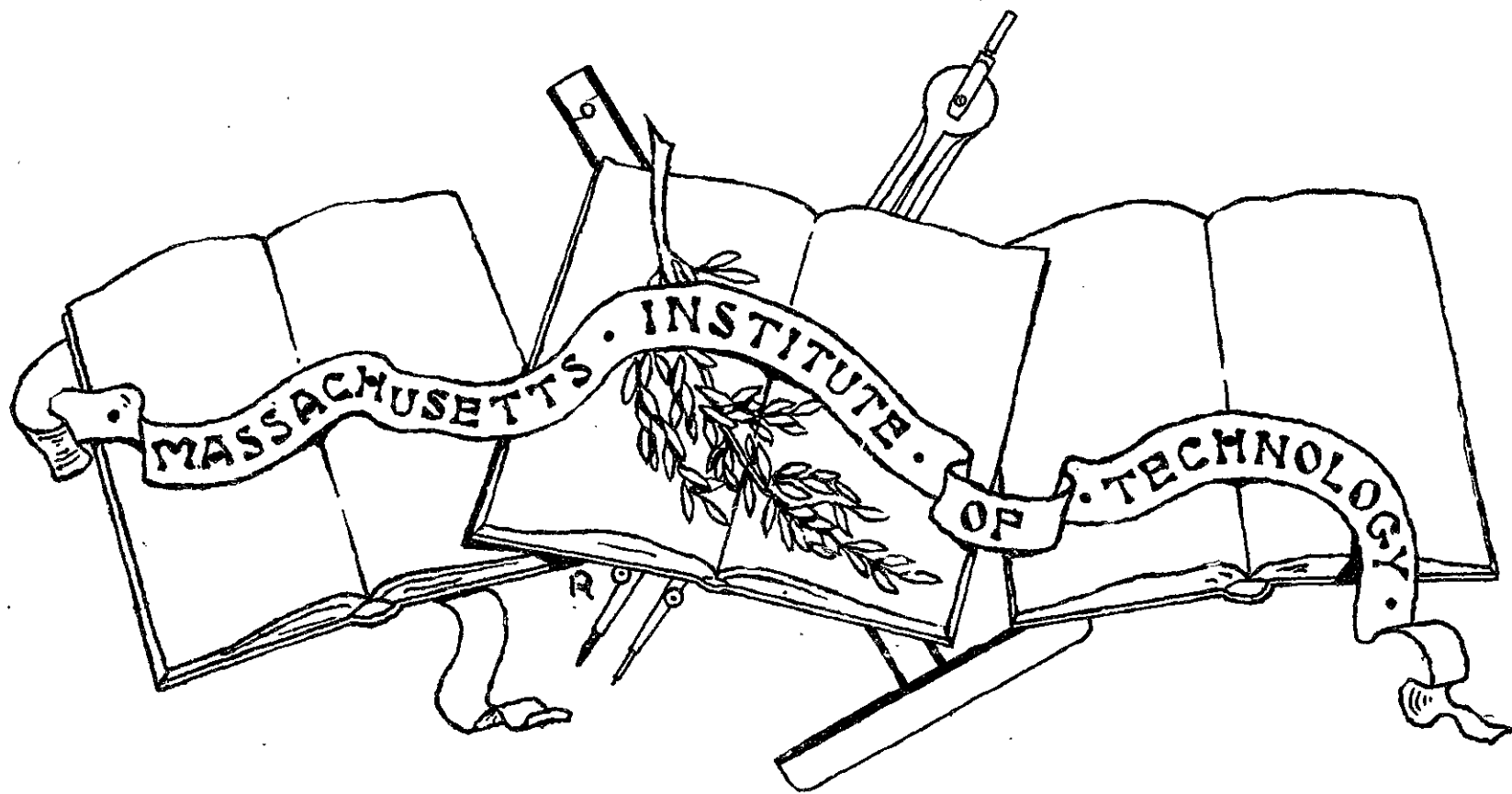
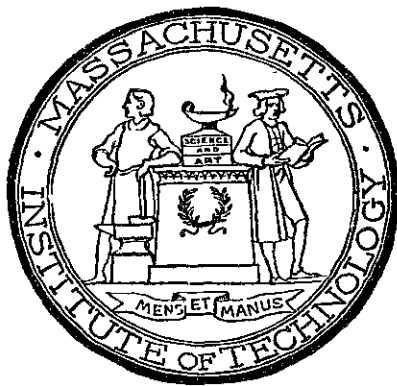




THE TECH



BOSTON, MASS.

VOLUME XVI.

NUMBER 13.

DECEMBER 31, 1896.



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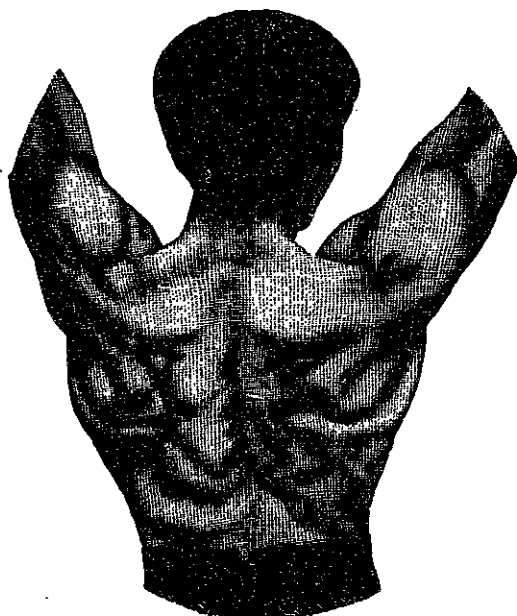
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THE TECH

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NO. 13

THE TECH

Published every Thursday, during the college year, by students of the Massachusetts Institute of Technology.

CHARLES-EDWARD AMORY WINSLOW, '98, *Editor in Chief*
CLARENCE RENSHAW, '99, *Assistant Editor in Chief*
THOMAS EDDY TALLMADGE, '98, *Secretary*
HARRY DRAPER HUNT, '97.
MORRIS KINNARD TRUMBULL, '97.
WARD WELLINGTON WARD, '98.
HAROLD WELLINGTON JONES, '98.
GEORGE REED WADSWORTH, '98.
WILLIAM EATON WEST, '99.
JOHN MAGEE, 2d, '99.

W. R. STRICKLAND, '98, *Business Manager*.
E. R. SHEAK, '99, *Ass't Business Manager*.

Subscription, \$2.50 per year, in advance. Single copies, 10 cts. each.

For the benefit of students THE TECH will be pleased to answer all questions and obtain all possible information pertaining to any department of the College.

Contributions are requested from all undergraduates, alumni, and officers of instruction. No anonymous manuscript can be accepted.

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THE importance of a place for the more extended study of American and European politics in the curriculum of college studies has begun to be widely recognized by prominent educators of the present day. A writer in a recent issue of *The Nation*, the foremost paper in the country which is devoted to politics, considers at some length the courses in politics given in various American colleges. Although many of the colleges offer courses, none is so complete and made so important as the course in "Political History since 1815," required of all regular students at the Institute. At the risk of saying a thing which has been said many times before, "the Institute leads in her lines." The foresight of those who arranged the courses of study for Technology seem, in the light of modern movements, little short of the inspired. Seldom has anything had to be changed or modified, and often have we seen, and do see, our contemporaries arranging courses in accordance with plans

perfected nearly a quarter of a century ago by the wise and gifted men whom we honor as our founders.

WE hope that the Class of '97 is not bent on duplicating throughout the proceedings of '96 last year. These factional contests give rise to most discreditable scandals, provoke unfortunate enmities, and very seriously impair the success of the Class-day exercises. Nothing will more surely blind men to merit than the cloud of party strife. If the factions which unfortunately now exist in '97 will but cast aside self-interest and suspicion, the task will be an easy one. We do not believe that any large number of Institute men place personal motives above the welfare of their class, or can in seriousness charge any other body with doing so. If this be the case, let a scheme of election be chosen without further dissension. Several excellent plans have been prepared by members of the class, any one of which, if carried out in a spirit of integrity, will give the desired result.

ALTHOUGH much is being said now-a-days throughout our American Colleges about pure athletics, and an amateur standing is held by most men while in college to be preferable, figuratively or sentimentally, to "much fine gold," the "fine gold" seems to have by far the greater attraction to the average athlete after his graduation. In many instances his desire for gain seems to completely supersede any inherent love for his particular branch of athletics, and in some cases entirely obliterates all thought of the duty which every college graduate owes to his Alma Mater. In striking contrast to this class of individuals stands Mr. Lehman, an Englishman, but a

lover of true amateur sport in its strictest sense. That this man has just left Harvard for his home in England, with a "send off" worthy of a prince, is a good testimonial that men of his sort, although rare, can be appreciated when found. Mr. Lehman, the Oxford coach, has just completed his fall work with the Harvard crew, for which he has refused all remuneration, even declining to take money with which to cover his expenses. At the meeting held last week in his honor, the most enthusiastic athletic gathering of graduates and undergraduates which Harvard has seen for many years, he was cheered to the echo, both before and after his inspiring speech as to the encouraging outlook for Harvard rowing affairs. He has materially altered certain details in the construction of the boat as well as in the present style of rowing at Harvard, and when he comes back next spring to continue his work, he may rest assured that both he and his methods will receive the hearty support of the University.

Mr. Lehman is an accomplished oarsman himself, being a member of the champion Leander Crew, which defeated Yale last year at Henley, and his free-hearted action in crossing the water and in rendering his services gratis, should stand as a constant reproach to our American degraded system of professional coaching.

AT the end of the present term, the members of the Freshman Class will be called upon by the Secretary to choose which course they wish to pursue. A fair proportion of the men who come to the Institute have already chosen their line of work, but many are undecided, and some have no particular preference. Although the choice made at this time need by no means be final, since it can be changed at the end of the year by a small amount, or at the end of the second year by a somewhat larger amount of extra work, it is of great advantage to a man to make the proper choice in the beginning.

For a man who is equally prepared to enter any of the courses, preference and individual fitness should be the ruling motive.

It must be borne in mind, however, that although the studies of each department are adapted to the needs of men wishing to take up certain lines of work, the Institute endeavors to give each man an education in the truest sense of the word, and so to train his habits of thought and action that he is fitted for almost any occupation. That this is accomplished, is shown by the fact that many of our alumni hold prominent positions in lines of work more closely connected with other courses than the one in which they graduated.

OUR Freshmen, through their drill committee, have begun to make arrangements for their annual Spring Drill, and indications seem now to point toward the holding of an intercollegiate contest such as '99 so successfully carried through last year. Nineteen hundred should keep well in mind that in undertaking such an enterprise she is not only working for her own glory, but that in such a competitive contest, participated in by other colleges, the honor of Technology is at stake. Both '99 and '98 have set a hot pace as regards proficiency in military drill, and before starting in on this matter, 1900 should distinctly understand that should she lose through any lack of the most earnest effort, the disgrace will be very great.

AT the Alumni dinner last Saturday, President Walker characterized the bequest of the Hon. Henry L. Pierce as doubly welcome on account of the giver, and trebly so from its opportuneness. Nothing, he said, had yet been done by those in authority, but he had strong hopes that this sum of money might make the new building an accomplished fact. May this hope be better grounded than those of the past!

Annual Alumni Dinner.

THE annual dinner of the M. I. T. Alumni Association was held last Saturday at the Exchange Club, and proved one of the pleasantest occasions in the history of the Association. Two hundred and thirty persons were present, and the younger graduates of '93, '94, '95, and '96 occupied a room upstairs, the main dining hall being filled by the older alumni and members of the Faculty and corps of instruction. The table was daintily furnished, the *menu* was excellent, and the music during the repast inspiring; but the chief charm of the affair lay in the presence of the distinguished guests. Such exceptional speakers as Governor Wolcott, Rev. Edward Everett Hale, Capt. A. T. Mahan, U. S. N., President Mendenhall of the W. P. I., President Walker, Prof. Ira N. Hollis of the Lawrence Scientific School, and Mr. C. R. Richards of the Pratt Institute and M. I. T., '85, to say nothing of President Munroe of the Association, made the meeting an inspiring one. Still another distinguished guest was Mrs. William Barton Rogers, whose memoir of her husband came out by a coincidence on the very same day.

The Governor was compelled to leave early, and thus his remarks were lost by the younger graduates, who were still upstairs telling stories and finishing their coffee. His Honor brought to Technology the greetings of the Commonwealth in no formal or perfunctory manner. He said that Massachusetts has shown its recognition of the work that Technology is doing by its annual appropriations. He made the proposition, amid great applause, that the Institute may claim to be the greatest center of educational influence on this hemisphere, and supported it by naming a number of schools and academies within an eighth of a mile of the Rogers Building. In closing, he thanked those before him for what they had done and were going to do for the State.

After the men from upstairs had filed in and given a long cheer for President Walker, Mr. Munroe as presiding officer opened the regular

exercises. He made one of the best speeches of the evening, brilliant and sincere. He spoke of the Technology of '82, just half way between the incredible success of '96 and the incredible poverty of '68, but added that in zeal, fervor, and inspiration the Institute of that day was not a jot behind the present. He said that our school of Applied Science has succeeded, not because of some fortunate accident, but mainly because from the very outset the Institute has never departed from those principles of honest work, devotion to truth, and thorough manliness laid down by its glorious founder, President Rogers. Mr. Munroe then read an extract from the Boston *Herald* of a recent date, in which it was patronizingly stated that "a diploma from the Institute would soon come to be as highly regarded as one from the classical colleges, and was of even higher value in securing a situation." This remark was greeted with a shout of laughter, and President Munroe proceeded eloquently to urge the claim of the technically trained man to be considered liberally educated.

Dr. Hale next spoke on the relation of science to good citizenship. He said that the future of this country depended upon the spread of education, more particularly in the line of physical science. He expressed the indebtedness of the idealist to the scientific man, instancing the benefits to human happiness arising from the decentralization of cities by means of improved means of transportation and the transference of power.

Captain Mahan drew out the contrast between his own profession and that of the engineer. He said:—

"I welcome the opportunity to express our great indebtedness to the profession of which you are the representatives, for the advances made for us in late years. The result of the work in technology is a certainty, which is reliable, on which great dependence may be placed.

"In my profession it is not so. The determining factor with which we have to deal is

not certainty, but uncertainty. The military officer on sea or shore who fails to realize the situation, and who thinks he can act only when he is perfectly sure of what is going to happen, is doomed to failure. The chances of war are so great, that what determines our condition is not certainty, but risk. It is not so with what you give us."

In introducing the next speaker, President Mendenhall, Mr. Munroe acknowledged gratefully the assistance furnished to Technology by the Worcester school in securing our grant from the State. President Mendenhall made a scholarly speech, in which he quoted the learned Confucius to the effect that it is unwise to stoop to tie your shoe in the melon patch of your enemy; and stated that he felt quite at ease in the Technology melon patch, and found great profit in observing the seed planted there, and the manner of sowing it. He closed by reading Huxley's definition of a liberally educated man.

Mr. Munroe stated that President Walker had been very unfortunate in returning from the universities of Europe with records of nothing but L and L and D. Nevertheless, the general was greeted with a rousing cheer, all standing, when he rose for a short address. He thanked the alumni for their loyalty to him, and paid an earnest tribute to the late Henry L. Pierce, member of the corporation, whose generous bequest has recently been made public.

Professor Hollis extended the cordial sympathy of Harvard University, and said that any past misunderstanding between the institutions was certain to disappear. Mr. Richards closed the speaking by an account of the New York Alumni Association, and urged the formation of such societies all over the country.

Before the dinner a business meeting of the Association was held, at which the following officers were elected: President, John R. Freeman, '76; Vice President, Edwin C. Miller, '79; Secretary, Augustus H.

Gill, '84; Member of Executive Committee, Charles W. Taintor, '93; Trustee of the Alumni Fund, James P. Munroe, '82.

COMMUNICATIONS.

The Editors do not hold themselves responsible for opinions expressed by correspondents.

TO THE EDITORS OF THE TECH:—

I beg leave, through the columns of THE TECH, to call attention to a most offensive occurrence of the last Athletic Meet, at which Tech. men, to say the least, have expressed great dissatisfaction. I refer to the appointment of officials, or of a certain official of the Meet, who was neither a Tech. man nor an alumnus.

The member of the M. I. T. Athletic Association who had in charge the appointment of officials for this Meet, is certainly to be severely censured for allowing personalities to rule, where true loyal college spirit would have dictated otherwise.

The fact that a man has been at the Institute for a part of one year, or even for a year, does not warrant the choice of such a man to serve as an official at an Athletic Meet.

Although it is true that the position may be one of but slight honor, still, the fact is obvious that in the case in question the service of a Tech. man, or of an alumnus, was ignored, while on the list of officials one might read —, '98; the suffix, '98, of which was distinctly out of place. X., '98.

TO THE EDITORS OF THE TECH:—

A FABLE.

Once upon a time, in a large and wealthy city, there existed a gentleman's social club. When this club was first organized a goodly number of worthy citizens qualified for membership. They were all of strong character, and gifted in special lines. Those who were instrumental in calling the first meeting were for the most part elected to offices of honor, and in these capacities they were to serve for one year. Not long after the time when the very inviting rooms were thrown open for use of the members, the particular inclinations of the individuals comprising the membership were manifested, and those having like inclinations naturally grouped together for mutual enjoyment of the privileges offered, some being seated at card tables; others were to be found in the club gymnasium; some spent their evenings at billiards, while others gathered for dancing, music, and the like. So things went. Occasional general meetings were held, at which officers were elected and business transacted. It was remarked occasionally that the officers and standing committees were elected each year from practically the same circle of men. None were specially anxious on this

score, as each member was getting his good from the club, and realized that he possessed a free right to vote at any meeting; but, being considerably engrossed at his favorite game, remained there, satisfied everything was running smoothly. One evening, however, when his table was dull, he, with a few bosom friends, strolled into a previously advertised meeting, all of them unanimously intent upon electing one of their number to a coveted office. Like so many visitors almost they took their seats, and at the appointed time their spokesman rose to speak. His remarks were not acted upon, and their man failed to secure the place. Somewhat chagrined they retired, and resumed the abandoned game, resolved that their chances in the Assembly were well nigh lost forever.

Those in power comprised about one tenth of the club membership, so that this discouragement appeared to indicate a willingness to quit the contest at an early stage. Common shrewdness, backed by a determination to secure representation, would have dictated a policy by which a thorough canvas should be made, followed by a well-attended club meeting.

After three years and a half a banquet was proposed. The present membership was about to be changed, in order to make room for younger men, while the former henceforth were to pursue diverse walks. This banquet was to be a great occasion, and at it memorable toasts were to be offered. The question arose, who should serve, and how will we appoint officers for the occasion? Hearing the buzz and stir in the air, our friends at the card tables quickly pushed their chairs back, arose, and after smoothing their hair, passed into the hall toward the general assembly room. Those at billiard and pool deliberately placed the cues in their racks, brushed the chalk from their fingers and clothes, and likewise convened thither. After a couple of spirited sessions the whole club was aroused, and although all were intent on the same general end, the means to that end was proving to be of so confused a nature that but little light was to be seen.

Those who had heretofore generously interested themselves in the club's interests, and who had been signally successful in bringing the club before the people of the city at large, naturally undertook to continue the long-used custom by which available material was chosen to represent the club. On the other hand, these several sections above mentioned wished a more distinct recognition of their rights to advance a candidate than had yet been enjoyed. They also wished to add to the success of the joyful festival soon to be celebrated.

They had friends among their number who were capable men, and who on one or two occasions had come forward and done unqualified honor to the club's name. These must have a chance for election. Quite right. All believed this was true. The means to the mutually desired end by which the very best banquet should be guaranteed, was the only point of debate. One or two schemes for election were proposed and rejected. These schemes were submitted with considerable flourish and amidst elegant flows of oratory. Beautifully rounded sentences were

used, while the uninitiated were unmistakably much impressed, but evidently not convinced. Both plans had good points in their favor, but not sufficiently so to merit acceptance. They were eminently fruitful, however, in drawing attention to just what was most needed to give general satisfaction, and what was yet more to the point, aroused an interest in club affairs.

The above fable was considered to be a clear manner of presenting the status as it is to-day in the '97 Class-day election. The question while appearing with a different coloring, enables a fair-minded view to be taken of the situation. The fable is not concluded, because it is felt that it has served the purpose, while to continue it would merely take unnecessary space.

Now for the plan.

A Nominating Committee, comprising twenty-five, shall be selected in the following manner:—

Let lists, containing the names of all the members of the class, be placed upon a table in the rear of Rogers corridor on some specified day.

Let the ballot be an all-day one, in which the votes are cast as follows:—

Let each voter place at the top of his ballot the number of the course of which he is a member; then place an X opposite the name of the man he chooses to represent his course on the Nominating Committee. This, therefore, provides twelve out of the twenty-five men, since a majority of votes in each course will elect a representative from that course.

After this is done place a V opposite the names of thirteen men from the class at large whom he may wish to complete the number of this committee, thus making twenty-five in all.

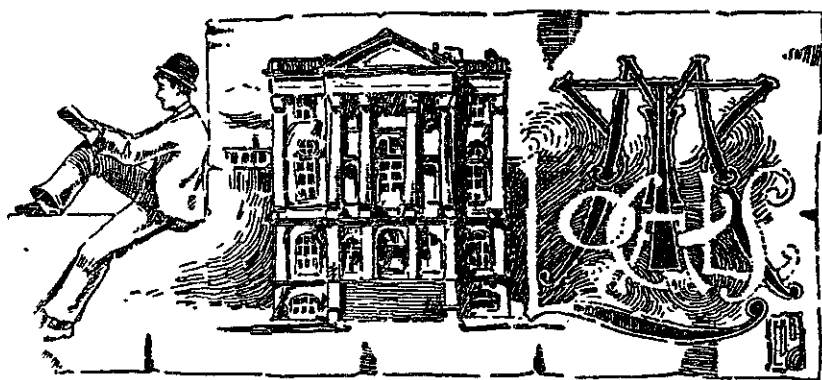
This Nominating Committee shall choose six men from whom the class may later select their marshals, two of whom are to be put up for chief; from the other four, the men receiving the two highest number of votes shall be second marshals. For each position, such as statistician, poet, prophet, orator, and historian, one man shall be nominated by the committee.

Ten men may be nominated from whom the class shall choose their standing committee. Further opportunity to place a nominee for any position before the class, may be given by admitting of petitions signed by at least thirty-five men.

The main points in favor of this plan are, that it will give more complete representation to the interests involved; second, it will be more simple to carry out, since no class meeting is necessary after the plan has been accepted (or modified), and the method of final election of nominees settled upon; third, it recommends itself as a strong foundation upon which to base a plan which can be used by future classes, and thus do away with the undignified debate that occurs each year under the present régime.

The above is respectfully submitted as something deemed to be worthy of the consideration of '97 at their next meeting.

M. K. T., '97.



A dinner and box party will be given by the Naval Architectural Society on Jan. 7, 1897.

Ninety-eight men, of Course I., have begun the plot of the prospected railroad line surveyed during the past fall.

Freshman, looking at poster on THE TECH bulletin board: "I'd like to find the boarding house where those cupids fed."

The engagement of Mr. Charles Gilman Hyde, late Editor in Chief of THE TECH, to Miss Frances McAlpine, is announced.

In German, 1900 man: "I found that Schläge meant flows."

Prof. Dippold: "Can't read your own handwriting, eh?"

The lettering on the Electrical Engineering Society bulletin board, which excites such admiration, is the work of Theodore Grover, one of the janitors of the Walker Building.

Semiannuals in military science will cover drill this year, and Freshmen should study with this in mind. The Drill Committee has engaged Mechanics Hall for the 21st of May.

Anthony, '98, who for the past two years has sung in the Glee Club, has received an offer to sing in the choir conducted by Mr. Willis Clarke. Mr. Clarke is the coach of the Glee Club.

Professor Van Daell announces that after the beginning of next term, no text-books with notations or interlinings of any sort will be allowed to be used in the language department of the Institute.

The booth being built at Winthrop by the Trap Shooting Club is well under way, and will be ready for use in about a week. There will probably be no more "shoots" until it is finished.

Captain Bigelow delivered a lecture at the military night of the Stoneham Y. M. C. A. recently. He exhibited interesting maps showing the military strength of different parts of the country.

The "Technique" posters in Rogers corridor are exciting considerable interest, as they appear week after week. Let the good work go on. If the book is as good as the posters it will have a large sale.

Mr. Percy H. Thomas, '93, has recently gone to Brazil in the employment of the Westinghouse Electric Company. Mr. Thomas is to take charge of the erection of a three hundred thousand dollar electric plant.

On December 30th and 31st, Professor Miller made a 36-hour test on one of the boilers of a new battery at the Merrimac Mills, Lowell. Professor Miller was assisted by one of the instructors and two of the students of the Institute. During the summer, three other tests were made by Professor Miller on various boilers at these mills.

By the will of the late Henry L. Pierce, the Institute will receive the sum of \$50,000, and is also one of the five institutions among which the residue, after all bequests are paid, is to be equally divided. This bequest comes most opportunely, and it is to be hoped that with this aid the proposed new building may soon become an actual fact.

The directors of the Co-operative Society are trying to obtain the use either of Room 21 or 22, Engineering Building, to establish a permanent supply room. This step, if carried out, will enable the Society to increase its number of scholarships, and will be of immense convenience to the students of the Engineering and Architectural Buildings.

On December 28th and 29th, a twenty-four hour test was made by the Seniors of the engineering courses on the boilers in the Engineering Building. In connection with the work a complete record of the air in the ash-pit and draft at different parts of the setting was kept, and observations were also made of the temperature and draft at various heights in the stack.

The drawings by A. H. Spahr, which took the gold medal at the Beaux Arts Exhibition last year, have been photographed for the purpose of reproduction in *Harper's Weekly*, which will contain in connection with them a history and account of the society. The Society is composed of men who, living in America, have studied architecture at the famous Beaux Arts in Paris.

Mr. E. H. Hooker, a graduate of Cornell, now employed on Basin No. 5 of the Metropolitan Water Supply system, visited the Institute recently. He spent an afternoon in the Civil Engineering department and Hydraulic Laboratories. He is about to design a system of Hydraulic Laboratories for Cornell University, and before deciding on his plan, wished to obtain an idea of the arrangement at Technology.

Mr. Walter Humphreys, Course II., has decided for his thesis work to carry on a series of investigations on the draft and temperature at different heights in chimneys, hoping to add to the very meager knowledge on this subject. Almost the only investigations in this line which have been made, except at the Institute, were a few conducted by Mr. Horace B. Gale, '83, who was at one time a professor at Leland Stanford University.

The action of the Faculty in causing the "stores" at the Architectural and Engineering Buildings to be put into the hands of the "Co-op," will be indirectly a great help to needy students at Technology, since all of the returns which come from them will be distributed, as are all the funds of the society, in

helping along deserving students who are having hard work to complete their education. Bids have been requested from two large stationery firms by the society for furnishing the stock of these stores, and they will soon be running under the new scheme.

Starting January 5th, a continuous test of one hundred and two hours will be made on the Babcock and Wilcox boiler in the Rogers Building. In order to carry out the same line of work as at the Engineering Building, the stack has been bored at different heights, to allow temperature and draft observations to be made here also, and it is hoped from these tests to get some data which will be useful to engineers in designing chimneys. Considerable interest is also felt in this latter test, as it will be the first test ever made at the Institute on the Hawley down-draft furnace, one of which was recently fitted to this boiler.

Resolutions.

WHEREAS it has pleased Almighty God to remove from among us our beloved classmate, Charles Mayo Swan, be it

Resolved, That we, the members of the Class of Ninety-seven of the Massachusetts Institute of Technology, extend our heartfelt sympathy to his family; and be it further

Resolved, That a copy of these resolutions be sent to the family of the deceased, spread upon the minutes of the class, and that it be published in THE TECH.

WILLIAM KENDALL FAIRBANKS,
JOSEPH BANCROFT,
EDGAR M. HAWKINS,

Committee.

WHEREAS, it has pleased Almighty God to remove from our midst our beloved classmate, Robert Miller Cummings, be it

Resolved, That we, the members of the Class of Ninety-seven of the Massachusetts Institute of Technology, extend our heartfelt sympathy to his family; and be it further

Resolved, That a copy of these resolutions be sent to the family of the deceased, spread upon the minutes of the class, and that it also be published in THE TECH.

WILLIAM KENDALL FAIRBANKS,
JOSEPH BANCROFT,
EDGAR M. HAWKINS,
Committee.

A New Technical School.

THE establishment of a new Polytechnic Institute at Darmstadt, Germany, shows the high value which is put upon technical training by the Germans, who are noted for their constant endeavors to improve their trade by taking advantage of every application of science which seems likely to aid their industrial development; and, also, illustrates the willingness of the various German states to incur the expense necessary to make the benefits of such training readily accessible.

For many years Darmstadt has had a technical high school, which had gradually grown too small for the ever-increasing number of pupils, due in great part to the rapid development of the electrical department, which is now the most important section of the new institute. When the question of extending the school was considered, the State authorities recognized at once the necessities of the case, and offered to provide \$80,000 for the erection of special electro-technical laboratories, and \$56,250 for their equipment. At the same time the city of Darmstadt suggested the abandonment of the old buildings, and offered to contribute \$300,000 toward the erection of a completely new school. This offer was accepted by the State, and the plans were commenced. The buildings were finished last October, and the electrical building is already being extended.

One statement in regard to the work in this institute, which is of interest as showing a difference from the usual American practice, is, that work-shop training forms no part of the

curriculum. The students, however, are required to spend a portion of their long vacations in engineering shops, and no difficulty is found in obtaining admission for them to the State Railway Works, or to the shops of well-known electrical firms.

The students' fees vary from \$40 to \$60 a year, and the whole deficit is paid by the State. The number of pupils attending during the recent summer semester was 954, and the total number of the instructing staff was 77. This ratio is not as good as that at our own Institute, which last year had 1187 students and a total staff of 124.

That the value of technical education is being appreciated more and more in America also, is shown by the number of new technical schools which are being established throughout the country, by the rapid growth of the existing ones, and by the frequent addition of courses in applied science in many of the so-called "liberal" colleges. In this connection may be mentioned the opening of a new School of Technology at Potsdam, N. Y., recently, at which President Walker was present and delivered an address.

NIGHT TIDES.

Over the bar at eventide,
Over the bar where the breakers roar,
The flood tide sweeps with wind-tossed surge,
Bending away to the distant shore.

Gently the first wave sweeps the sands,
Murmuring soft o'er the winding lea
Its slumber song to the listening shore,
A slow and tremulous melody.

Strange the voice of the harbor bar;
Dull the sound of moon-white deep;
Dreamy the rock pines whisper low
Tales of the distant land of sleep.

—Yale Lit.

POST MORTEM.

My cigarette, my cigarette,
They speak unkind of thee, and fret
And call thee coffin-nail; and yet
'Tis joy through all eternity to feel
That down here in my grave thou'rt near me still—
A coffin-nail—my cigarette!

—Princeton Tiger.



The Brown University Athletic Association has engaged Donovan, the noted professional runner, to train the Track team for the coming season.

Now that the Indoor meeting is over, a general criticism of our athletes and our chances in the Intercollegiate meet may not be out of place. We have a number of good men in the dashes, and the prospects are encouraging in those events. Burch and West, comparatively new men, have shown the making of good sprinters, and will push the older men considerably. In the quarter-mile we may again look for a victory at Worcester, but our chances in the half and mile are at present doubtful. In the hurdles we have nobody besides Hurd who seems capable of winning a place in the Intercollegiate meeting. Morse and Osgood have shown up well in long distance running, and both should be heard from at Worcester, next spring. Our chief weakness, however, is in the field events. This year our prospects are, however, a little more encouraging than last. In the high jump we have two men who are doing in the neighborhood of 5 feet 6 inches. In the pole vault we can hardly expect to score, as no one eligible to compete at Worcester can do much over 9 feet. In the broad jump we may expect a place if Grosvenor is able to repeat his performance on the Oval last fall. With the exception of one or two men we have no one who takes an active interest in weight throwing. There are plenty of men at Tech. capable of doing good work in these field events and in the hurdles, if they would exert themselves to come out and train.



73. S. M. Felton, Course I. In addition to the many positions which Mr. Felton held according to last year's catalogue, we now find him also President of the Louisville Southern R. R.

79. F. R. Loring, Course VII., has accepted a position as teacher at the Pottsdam High School.

'88. John S. Ray, Course II., has accepted a position as an ore shipper's agent at Cripple Creek.

'89. F. L. Hopkins, Course V., has been appointed night editor of the *Providence Journal*.

'90. Stephen W. Moore, Course II., for whose occupation there was no insertion in last year's catalogue, is engaged in the sale of bicycles and sundries in Colorado Springs, Colorado.

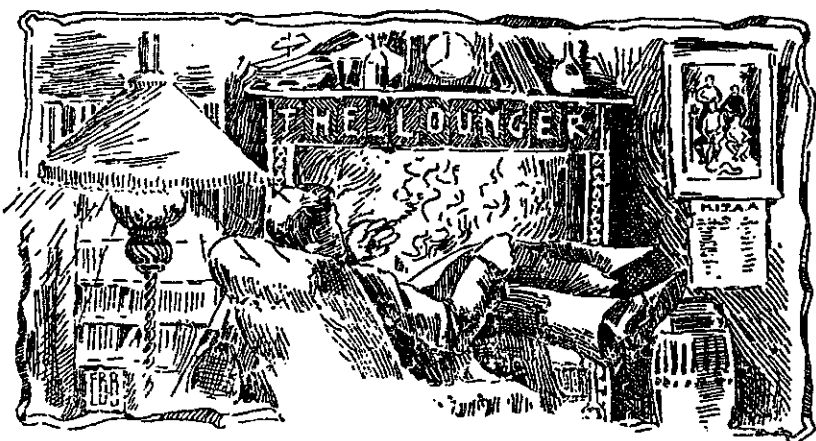
'91. G. A. Campbell, Course I., after studying several years in Germany, devoting himself to mathematical physics, returned to this country during last summer.

'92. Murray Warner, Course II., is with the American Wheelox Engine Co., of Chicago.

'93 and '94. Mr. W. W. Carter, of Courses VI. and X., is going to Europe on business for the Jobbins & Van Ruymbeke, of New York.

'94. W. S. Hulse, VI., is in Europe, spending a short vacation, granted by his employers, The Fort Wayne Electric Co.

'96. Courses I. and XI. gathered last Saturday evening at the Club to plan a dinner for sometime in the near future. About one third of the graduates of these courses of last year were present.



THEY have at Yale a pleasing custom by which members of the Senior Class are endowed with the especial privilege of spinning tops on the campus. With us at Technology the pastime of the fourth-year men is more dignified and somewhat less innocuous, for the prerogative of our Seniors is a game which might be called "Miniature Municipal Politics; or, How Willie became an Alderman." It is deemed necessary in order to arrive at a calm and deliberate conclusion as to the best men for Class-day positions, to make choice of them in the midst of a furious warfare and with every accompaniment of trickery and denunciation. The process is an exciting one, and leads to a useful training in the arts of debate; it also conduces to a general feeling of hearty good fellowship and a cordial co-operation between the fraternity and non-fraternity factions. It is curious to observe the regularity of the phenomena which characterize these annual demonstrations, and the public spirited zeal of the erstwhile grinds who for three years have been buried in laboratories and drawing rooms, and now at the last moment come to a realizing sense of the duties of citizenship, is an inspiring sight. The Lounger has been informed on good authority that seventy-three plans for choosing Class-day officers are in preparation by various members of the Class. The best way out of the difficulty would be to follow the course of the Sophs and Freshes in their cane rush deadlock. Let an arbitration committee from the lower classes be chosen, half by fraternities and half by courses, and let this committee have full power to adopt a scheme for the nomination of Class-day officials. The Lounger only suggests this plan in case the Seniors find it impossible to settle their little difficulties themselves without loss of life and limb.

The Lounger is pleased to assure his friends that he spent a very pleasant Christmas indeed. There were but two drawbacks to the serenity of his week. One of these was a shopping tour, into which he was rashly

drawn on Thursday. If the choice between such another expedition and a trip to the North Pole were offered to him, he would choose the Arctic expedition cheerfully, even with the prospect of delivering four illustrated lectures per week about it for a year after his return. The Lounger prizes repose and dignity above many other virtues; therefore, to be hauled through a solid throng of suburban matrons armed with baby carriages, chafing dishes, bows and arrows, stepladders, and other rigid and angular bodies, was detrimental to his sense of self-respect. When he gained refuge for a moment in some shop, and got his breath while clinging to the counter, so as not to be carried away by the stream, his friend, the shopping fiend, was eagerly examining rings, cuff buttons, and watch chains, and asking the price of all. Then another mad dash for life, and another counter for temporary respite. Here books were examined, to the number of some two score volumes and their cost carefully noted. Next a haberdasher's was reached in safety by great effort, and the Lounger's soul was harrowed by an exhibition of feminine taste in masculine neck gear. He was too exhausted, however, to protest against the array of peacock yellows, cardinal greens, and saffron blues displayed in answer to his companions eager inquiries. Then the Lounger's tormentor led him to a stationer's and purchased a calendar for fifteen cents, which she said was what she wanted all the time.

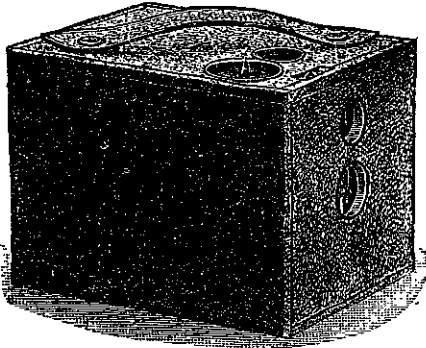
The other cloud upon the Lounger's holiday was a question asked him by a certain instructor, whose youth perhaps may be some excuse for the levity of his remark. He asked why "Technique" was like the big engine in the Mechanical Engineering Laboratory; and before it was possible to get out of hearing, he exclaimed with horrid glee, "Because its efficiency is measured in horse-power." No habit is more reprehensible than this introduction of the legitimate license of the class room into the affairs of ordinary life. Such a joke would have been shorn of most of its paralyzing effect if delivered in the midst of a lecture, when everybody was prepared for it.

"Backward, turn backward, O Time in thy flight."

The conservative policy of the Institute as indicated by the clock in Rogers has outdone itself, for that delicate mechanism has recently moved to some eight minutes of nine instead of five. A corresponding increased tardiness of Freshmen has been noted during the week.

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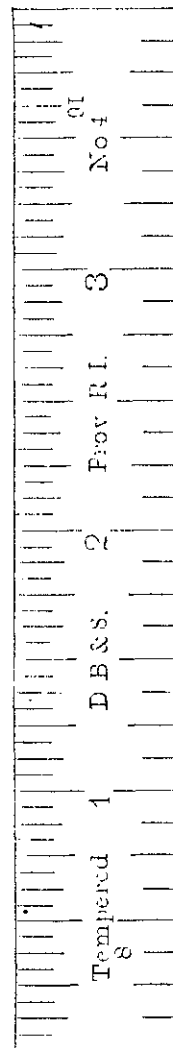
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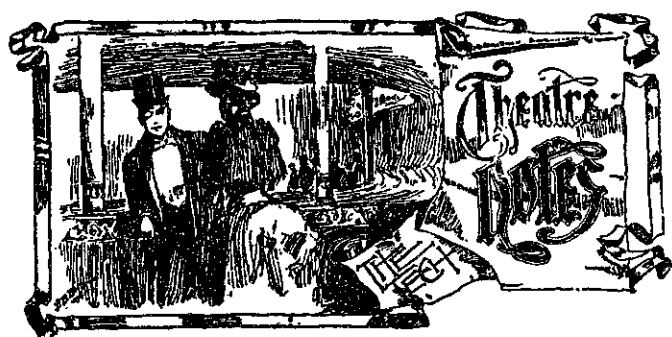
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Boston Theatre.—"The War of Wealth" opens its last week at the Boston, January 4th. It is from the pen of the author of "In Old Kentucky," and has made a genuine hit in Boston.

Park Theatre.—"My Friend from India," which has been a reigning success in New York all season, will begin a brief engagement at the Park Theatre, January 4th.

Boston Museum.—Wilson Barrett's play, "The Sign of the Cross," has met with well-merited success at the Museum. The play has a religious theme and is a powerfully dramatic story, and is produced by Frohman with magnificent effect.

Hollis Street Theatre.—Mr. John Drew will make his first appearance at the Hollis Theatre. The play to be presented is "Rosemary," universally quoted as the daintiest play seen for many a year. Mr. Drew's company is one of the best that has ever surrounded him, and the exquisite Maud Adams shares with him the honors.

Tremont Theatre.—Mr. Francis Wilson will come with his new and remarkably successful comic opera, "Half a King." Francis Wilson is a great favorite in Boston. He is ably supported by Miss Lulu Glaser, Miss Cristie McDonald, J. C. Miron, and other popular artists.

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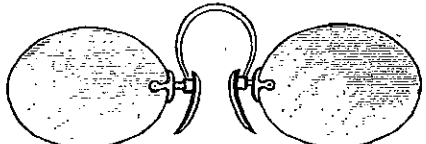
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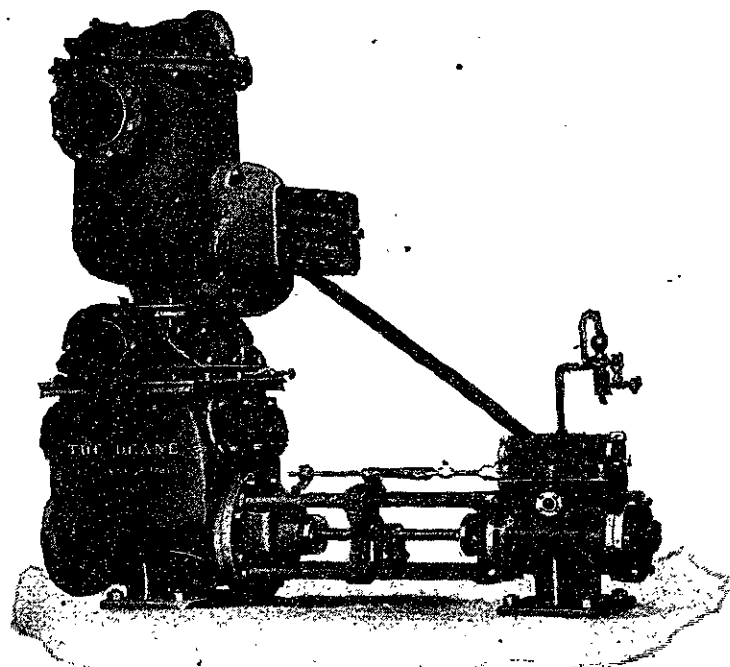
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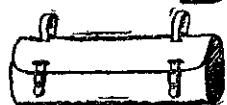
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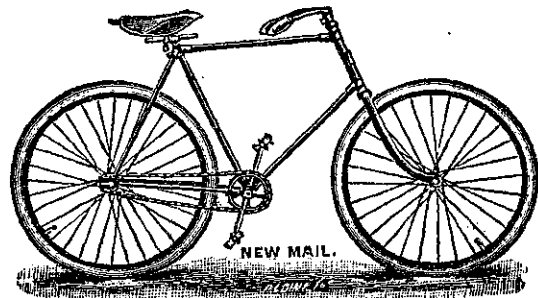
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